



Bridesburg Neighbor

September 12, 2023

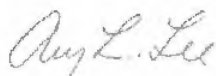
Subject: COMMUNITY REPORT FOR 2022 GROUNDWATER SAMPLING EVENT ROHM  
AND HAAS CHEMICALS LLC – PHILADELPHIA PLANT

Dear Bridesburg Neighbor:

Please find the enclosed copy of the "Update on Philadelphia Plant Groundwater Report – 2022".

If you no longer wish to receive a copy of this annual report or have changes to the name/address this report has been sent to, please contact me at (989) 636-8395 or Rebecca Hensel with Arcadis at (315) 671-9296.

Very truly yours,



Amy Lee  
Rohm and Haas Chemicals LLC  
Remediation Leader

Cc: Rebecca Hensel/Arcadis Site Manager





Weston Solutions, Inc.  
1400 Weston Way  
West Chester, PA 19380

*The Trusted Integrator for Sustainable Solutions*

28 August 2023

Bridesburg Neighbors  
c/o Rohm and Haas Chemicals LLC  
A Subsidiary of The Dow Chemical Co.  
5000 Richmond Street  
Philadelphia, PA 19137

**RE:** Review of the April 2023 Update on Philadelphia Plant Groundwater Report on the  
2022 Annual Groundwater Sampling – Rohm and Haas Chemicals LLC

Dear Bridesburg Neighbor:

At the request of Rohm and Haas, Weston Solutions, Inc. (WESTON) has conducted an independent review and assessment of the results provided in the 2022 Annual Update Report (dated April 2023) for the groundwater plume present at the Rohm and Haas Philadelphia Plant located on Bridge Street. This work was conducted as a continuation of our neighborhood assistance program, started in September 1997. WESTON conducted this review in two steps:

- In the first step, Zack Bentley of WESTON visited the site on Wednesday, 28 September 2022 and observed portions of the groundwater sampling activities conducted by Rohm and Haas' consultant, Arcadis on that day. This included observing the purging and sampling conducted at 5 monitoring wells (TW-1S, TW-2S, MW-1, LA-5 and MW-2) located in the Bridesburg neighborhood. The entire annual sampling event at the site occurred during the month of September 2022.
- The second step involved a review of both the groundwater level information and the two groundwater sampling results summary tables for the onsite and offsite wells (**Tables 1 and 2**). This activity included reviewing and verifying the information provided on **Figures 1, 2, and 3** and the Appendices included with the 2022 Update Report (dated April 2023). This also included reviewing the text of the Update Report and evaluating the report's conclusions.

Based on both WESTON's review of these materials and observations from the on-site sampling activities on 28 September 2022, we have reached the following conclusions:

- The groundwater sampling activities observed on 28 September 2022 were conducted by Arcadis personnel in accordance with the approved work plan procedures for the site (i.e., low-flow purging and sampling methods). Sampling



at each well was performed following stabilization of general water quality parameters (i.e. dissolved oxygen, pH, oxidation/reduction potential, specific conductance). In addition, the pump housings and water level probes were fully decontaminated with soap and water between wells, and new gloves and dedicated pump tubing and pump bladders were utilized at each well to prevent cross-contamination between wells.

- Laboratory testing results for the September 2022 sampling event (provided as **Tables 1 and 2**) indicate that only a very small area in the vicinity of on-site well MW-3 was the only area of the site with Total Volatile Organic Compounds (TVOCs) concentrations above 1 ppm. All of the off-site monitoring well locations were below the total VOC clean up goal of 1 ppm, therefore satisfying Rohm and Haas's commitment to the community. Previously, in 2021, off-site well Off-18 had been the only remaining off-site well in the Bridesburg neighborhood with TVOC concentrations above 1 ppm. However, the sampling results in well Off-18 in September 2022 were now only 0.172 ppm, well below the clean up goal of 1 ppm. This contrast significantly with the areal extent of the plume that was originally depicted for the site in 1994 as depicted on **Figure 1** in the 2022 Update Report.
- The concentrations of chemicals present in the groundwater plume have generally declined since WESTON's last review of the data from 2021. We have reviewed the chemical data for the group of 21 wells that were sampled by Arcadis in 2022 as part of the monitoring program. These 21 wells included 11 off-site wells (wells located south of Bridge Street, within the neighborhood) and 10 nearby on-site wells (wells located north of Bridge Street, on Rohm and Haas' property in proximity to the neighborhood).
- The data from the 21 wells sampled in September 2022 were compared to the groundwater data from these wells when last sampled in September 2021. These data indicate that 2 of the 21 wells showed a decrease in the concentrations of TVOCs, while 6 of the 21 wells showed a slight increase in concentrations from the 2021 annual sampling event. Thirteen of the 21 wells contained concentrations that were unchanged ( $\pm 25 \mu\text{g/L}$ ) since the previous annual sampling round in 2021. These data indicate that a slow but consistent reduction in the concentration of organic chemicals in the groundwater plume is occurring.
- Overall, the contaminant plume size and concentration has declined significantly since September 1994, as depicted on both the groundwater plume map (**Figure 1**) and the graph of historical concentrations (**Figure 3**). This effect has been



most pronounced along Bridge Street, in the area closest to the Rohm and Haas groundwater recovery trench. During the September 2021 sampling event, there was only 1 off-site well with TVOC concentrations exceeding 1 ppm. Off-site well Off-18 contained 7.72 ppm at that time, however, during the September 2022 sampling event, TVOC concentrations in off-site well Off-18 contained only 0.172 ppm, which is well below the clean up goal of 1 ppm. TVOC concentrations in September 2022 throughout the on-site portion of the plume indicated that only well MW-3 contained TVOC concentrations above the clean up goal of 1 ppm, with a concentration of 3.36 ppm, as shown on the plume map (**Figure 1**) and the graph of historical results from 1994 to 2022 (**Figure 3**).

- In June 2019, the groundwater recovery trench was shut down after discussions with the Pennsylvania Department of Environmental Protection (PADEP) and the U.S. Environmental Protection Agency (USEPA) to do so. Subsequently the recovery trench was restarted in May 2020 and operated throughout April 2021. The recovery trench was shutdown in April 2021 and Rohm and Haas implemented a bioremediation program to target TVOC concentrations above 1 ppm as an alternate remedial measure to operating the recovery trench. Based upon performance results to date, the recovery trench will remain shutdown indefinitely. Rohm and Haas will continue to monitor groundwater quality at the site in accordance with PADEP Act 2 requirements. Based upon the overall continued improvements in groundwater quality observed at the site in recent years, it is anticipated that the focused bioremediation program, along with the natural biodegradation processes at the site will also continue to attenuate/reduce the TVOCs in the site groundwater.
- The September 2022 water level data presented on **Figure 2** of the Arcadis report depicts the groundwater surface at the site on 26 September 2022, prior to the initiation of the groundwater sampling program. As shown on **Figure 2**, the natural groundwater flow direction at the site continues to be towards the west-southwest and west-northwest.

In summary, based on our review of the 2022 groundwater data, WESTON confirms that the conclusion contained in the comprehensive study report (WESTON, June 1998), that the continued cleanup activities associated with the groundwater contaminant plume by Rohm and Haas is not affecting the homes in the Bridesburg neighborhood, continues to be true.

WESTON is pleased to continue our involvement on this important project by reviewing the 2022 Update Report. Based on the 2022 sampling results from the site, all off-site





Bridesburg Neighbors

-4-

28 August 2023

monitoring well locations were shown to have TVOC concentrations below the agreed to clean up goal of 1 ppm, therefore satisfying Rohm and Haas's commitment to the community. As a result, this report will be the last community groundwater report. Rohm and Haas will continue to monitor both the on-site and off-site groundwater quality and report these results to the PADEP in accordance with the Act 2 requirements.

As always, if you observe any unusual physical changes in the neighborhood homes or have questions or comments about this letter or any other aspects of the groundwater remediation activities, please contact me by e-mail at [P.Landry@westonsolutions.com](mailto:P.Landry@westonsolutions.com), or by phone at 610-701-3798.

Very truly yours,  
WESTON SOLUTIONS, INC.

A handwritten signature in blue ink that reads "Paul G. Landry". The signature is fluid and cursive, with the first letters of each word being capitalized and prominent.

Paul G. Landry, PG  
Senior Technical Manager

Cc: A. Lee (R&H)  
R. Hensel (Arcadis)  
E. Hicks (Weston)  
B. Bolt (Weston)



# **Update on Philadelphia Plant Groundwater Report**

**Rohm and Haas  
Chemicals LLC**

**April 2023**







## **TABLE OF CONTENTS**

<b>EXECUTIVE SUMMARY .....</b>	<b>Page i</b>
<b>1.0 HISTORICAL REVIEW .....</b>	<b>Page 1</b>
<b>2.0 2022 GROUNDWATER SAMPLE RESULTS ...</b>	<b>Page 3</b>
<b>3.0 OPERATIONAL NOTES.....</b>	<b>Page 3</b>
<b>4.0 ECONOMIC PROTECTION PLAN (EPP) .....</b>	<b>Page 5</b>
<b>5.0 COMMENTS.....</b>	<b>Page 5</b>

## **LIST OF FIGURES**

<b>FIGURE 1</b>	<b>Extent of Groundwater Plume &gt; 1 ppm in 1994 and Groundwater Management System Performance Monitoring – 2022</b>
<b>FIGURE 2</b>	<b>Groundwater Flow Direction Groundwater Management System Performance Monitoring – 2022</b>
<b>FIGURE 3</b>	<b>Total Volatile Organic Compounds Comparison 1994 and 2022</b>

## **LIST OF APPENDICES**

<b>APPENDIX A</b>	<b>Chronology of Groundwater Study and Cleanup</b>
<b>APPENDIX B</b>	<b>Historical Groundwater Quality Data Table 1 – Analytical Results for On-Site Wells Table 2 – Analytical Results for Off-Site Wells</b>





## **UPDATE ON PHILADELPHIA PLANT GROUNDWATER REPORT – SEPTEMBER 2022**

### **EXECUTIVE SUMMARY**

The following report provides an update to the community on the status of groundwater conditions in the area. The purpose of the annual sampling is to monitor the reduction of volatile organic compounds (VOC) in the groundwater.

Prior to 2009, the report was generated twice a year following sampling events conducted in the spring and late summer by Rohm and Haas Chemicals LLC (Rohm and Haas). In 2009, after evaluating the sampling program, Rohm and Haas revised the program to be conducted on an annual (once yearly) basis, with the sampling event to occur in the late summer. Based on 2022 sampling results, off-site monitoring locations are below the total VOCs clean up goal of 1ppm, therefore satisfying Rohm and Haas's commitment to the community. This report will be the last community groundwater report. Rohm and Haas will continue to monitor the off-site groundwater quality and report these results in accordance with the Pennsylvania Department of Environmental Protection Act 2 requirements.

The previous report was distributed in January 2022, based on the September 2021 sampling event. Information obtained since the previous report includes the following:

- Groundwater samples were most recently collected from 21 wells (10 on-site and 11 off-site) in September 2022.
- The historic location of the groundwater plume with total VOC concentrations greater than 1 part per million (ppm) is shown on Figure 1. Over time, due to cleanup measures implemented by Rohm and Haas and natural biodegradation processes, the plume has continued to decrease significantly in size and concentration since 1994. All off-site monitoring locations were below the 1 ppm total VOCs criteria in 2022.
- The groundwater movement relative to recent sampling events is generally unchanged (Figure 2), with the west-northwesterly groundwater flow direction.

The information presented above is discussed in more detail in the following pages.





## **UPDATE ON PHILADELPHIA PLANT GROUNDWATER REPORT – SEPTEMBER 2022**

### **1.0 HISTORICAL REVIEW**

In 1994, Rohm and Haas discovered and reported to the community that chemicals, called volatile organic compounds, present in the groundwater beneath the facility had moved with the groundwater across Bridge Street and under neighboring homes. The chemical plume migrated beneath the block bounded by the 2600 block of Bridge Street, the 4800 block of Thompson Street, a portion of the odd-numbered properties on the 2700 block of Pratt Street, and the 4800 block of Salmon Street (as shown in Figure 1).

A residential air sampling program to evaluate safety in the neighborhood was conducted in October 1994. Rohm and Haas reported the results of the residential air sampling program in a booklet entitled “Philadelphia Groundwater Report” that concluded that the air was found to be safe. The same booklet also included the plan of action for removing the VOCs in the groundwater and for protecting the property values in the neighborhood during the remediation period.

A working group of neighbors was formed in 1997 to list and address their concerns with Rohm and Haas; facilitated by Weston Solutions, Inc. (Weston), environmental consultants. As a result of the group’s questions, Weston conducted a second robust air sampling and soil vapor testing program which confirmed that indoor air in houses overlying the VOC plume were not affected by the groundwater and, therefore, were safe. In addition, Weston found that groundwater remediation activities had no effects on home structures and confirmed the interpretation of data obtained by URS Corporation (URS), consultants to Rohm and Haas.

A system of groundwater extraction wells was installed in 1994 which was later augmented with a 250-foot groundwater recovery trench in 1998 to increase the rate of groundwater recovery. A soil vapor extraction (SVE) system was also activated on the plant site in 1996 to remove VOCs above the water table.

While there has been substantial progress in recovering VOCs from the groundwater, in March 2001, Rohm and Haas recognized it would not meet its target date for achieving the goal of 1 ppm of total VOCs in groundwater in the neighborhood. Rohm and Haas then informed all neighbors of this conclusion by letter and in a meeting with the former groundwater working group and the plant’s Community Advisory Committee (CAC). In March 2001, Rohm and Haas began conducting



additional studies to evaluate options to accelerate the removal of the remaining chemicals. The studies included sampling of the soils in the neighborhood, computer modeling and an engineering feasibility evaluation which concluded the following:

- The chemicals in the groundwater were reduced by a naturally occurring process called biodegradation.
- The chemicals bound in the soil are less available to this biodegradation process, thus, slowing down the cleanup time.

Rohm and Haas met with the former neighborhood working group on July 18, 2001, provided a summary of the findings of the studies, and listened to their comments.

Additional soil samples were collected from on-site locations in April 2002, and Rohm and Haas conducted tests on these samples to evaluate whether the removal of VOCs could be accelerated by introducing surfactants (detergents) to the affected saturated soil. The evaluation included controlled testing of the soil samples in a university environmental engineering laboratory to determine how effective detergent compounds would be in releasing the chemicals from the soil. This study was completed in 2003, and Rohm and Haas met with the CAC on November 3, 2003, and the former groundwater working group on December 9, 2003, to discuss the results. The study concluded the following:

- A 2-year pilot test of the experiment at the Rohm and Haas facility would be required to predict the actual performance of the proposed cleanup method safely and more accurately.
- Full-scale application of the detergents would require installation of a large number of dosing wells in the community, which would be invasive to the neighbors.
- Application of the detergents from the installed wells would be required for approximately 5 years.
- Under ideal conditions, the surfactant cleanup method could possibly achieve the 1 ppm goal in 8 years. However, under realistic conditions, the predicted elapsed cleanup time using the surfactants was estimated to be approximately 13 years, versus 17 years for the current system.

The results of the surfactant study have been discussed with all stakeholders. Based on the study's findings, Rohm and Haas has recommended that, since the groundwater plume poses no health or property risk to residents and the trench operations do not affect home foundations, the most prudent path forward consists of continuing the current trench collection and monitoring operations until the cleanup goal is met, as well as continue to investigate feasible options to speed up the cleanup. This was agreed to by members of the neighborhood





former groundwater working group; the members of the plant's CAC; and Weston, consultant to the former groundwater working group.

A complete chronology of groundwater study and cleanup events is presented in Appendix A.

## **2.0 SEPTEMBER 2022 GROUNDWATER SAMPLE RESULTS**

The Groundwater samples were scheduled to be collected from 22 wells (10 on-site; 12 off-site) in 2022 to evaluate ongoing cleanup progress. Monitoring well OFF-17 was unable to be sampled due to access issues. As a result, a total of 21 wells (10 on-site and 11 off-site) were sampled during the 2022 sampling event. Appendix B presents groundwater data collected from 2008 to the present, including detailed analytical results by well from the most recent round of sampling. A complete set of historical groundwater data (beginning in 1995) can be provided by Rohm and Haas upon request.

Figure 1 shows the location of the plume in 2022 with green shading illustrating areas cleaned up to below 1 ppm of total VOCs, and the pink area which contains total VOCs above 1 ppm. Figure 2 illustrates the direction of groundwater movement in September 2022, which is generally towards the west-northwesterly. Figure 3 depicts graphically the decrease in VOC concentrations for key wells in the Bridge Street plume area since August 1994.

In 2022, all sampled off-site monitoring locations were below the 1 ppm total VOCs goal, therefore Rohm and Haas has satisfied its commitment to the community.

## **3.0 OPERATIONAL NOTES**

The groundwater management system currently consists of a 250-foot groundwater recovery trench and, prior to March 2004, included nine recovery wells. No separate phase (or non-soluble) organic compounds have been detected since the August 2006 sampling event and no separate phase materials have been recovered by the groundwater operations since March 2000. Prior operations recovered 2,045 gallons of organic materials from the groundwater.

In October 2005, Rohm and Haas completed modifications to the groundwater management system. The modifications included discontinuation of pumping by the recovery wells in March 2004 because modeling had shown that the groundwater movement can be controlled by the operation of the groundwater recovery trench.



Twenty-two sampling events between 2004 and 2022 have been conducted since the shutoff of the recovery wells in March 2004. Data collected during these events indicated that the recovery trench was adequately managing groundwater movement during that period. In June 2019 the recovery trench was shut down after discussion with the Pennsylvania Department of Environmental Protection (PADEP) and Environmental Protection Agency to do so. Subsequently the recovery trench was restarted in May 2020 and operated throughout April 2021. In April 2021, the recovery trench was shut down and Rohm and Haas implemented bioremediation to target TVOC concentrations above 1 ppm as an alternate remedial measure to the recovery trench. Based upon performance results, the trench will remain shut down. Rohm and Haas will continue to monitor in accordance with the Pennsylvania Department of Environmental Protection Act 2 requirements. Figure 2 illustrates the direction of groundwater movement in September 2022.

Due to improvements in groundwater quality in the area, the SVE system (first activated in 1996) was shut down in July 2004. For the operation of the SVE system to provide benefit to cleanup, concentrations of VOCs above those currently detected at the Site would be required.

In 2009, Rohm and Haas evaluated the sampling program conducted to date, which began in 1994, and revised the program to be conducted on an annual (once yearly) basis, with the sampling event to be conducted in the second half of the year. The change in the sampling program was communicated to, and agreed upon, by the PADEP and communicated to all stakeholders.

In 2012, Rohm and Haas evaluated the sampling program and determined that several wells were no longer needed to monitor the changes in the groundwater quality or groundwater flow direction. Therefore, wells OFF-1, OFF-7, OFF-8, OFF-9, TW-32S(R), TW-34S, and TW-43S were plugged and abandoned and removed from the sampling program. In June 2022, on-site wells MW-7, MW-9, MW-10, TW-33S, TW-35S(R), TW-37S were plugged and abandoned.

No sampling was performed in 2014 while an access agreement was being developed between Rohm and Haas and the Pennsylvania Department of Transportation.

As anticipated, the natural biodegradation processes continued to reduce the TVOC concentrations in the site groundwater. Based on 2022 sampling results, off-site monitoring locations are below the total VOCs clean up goal of 1 ppm, therefore, satisfying Rohm and Haas's commitment to the community. This report will be the last community groundwater report. Rohm and Haas will continue to monitor the off-site groundwater quality and report these results in accordance with the



Pennsylvania Department of Environmental Protection Act 2 requirements.

#### **4.0 ECONOMIC PROTECTION PLAN (EPP)**

An Economic Protection Plan (EPP) was designed in 1994 to protect homeowners by ensuring that affected houses would not lose value due to the groundwater situation. All properties acquired by Rohm and Haas under this program have been resold or demolished.

At the request of homeowners in the groundwater area and the former neighborhood working group, the original EPP was revised and expanded to include those homeowners who wished to stay in their homes. Eligible homeowners included those living in the 2600 and 2700 blocks of Pratt Street, the 4800 block of Almond Street, the 4800 block of Thompson Street, the 2600 block of Bridge Street, and the 4900 block of Salmon Street. The revised plan offered compensation to homeowners for the effect of groundwater on property values and was based on the homeowner's proximity to the plume and the number of years of home ownership. The plan became operational in 1998.

#### **5.0 COMMENTS**

Please direct comments or questions regarding this report to Amy Lee at 989.636.8395 or [ALLee@dow.com](mailto:ALLee@dow.com).



# Figures





# Appendix A



**CHRONOLOGY OF GROUNDWATER STUDY AND CLEANUP  
BRIDGE STREET AREA  
ROHM AND HAAS CHEMICALS LLC PHILADELPHIA PLANT**

October 1993	Residential Air Sampling Program conducted at homes on Brill Street repeating January 1987 testing and the results communicated to the neighbors
Fall 1993	Rohm and Haas installs monitoring wells in the neighborhood and monitors water levels to assess whether site groundwater was migrating across Bridge Street
April 1994	Preliminary groundwater samples are collected from wells in the neighborhood
May 1994	Presentation of flow results to neighbors
June 1994	Rohm and Haas reports to the neighbors the findings of preliminary sampling and their plans for further investigation
Jul.-Aug. 1994	Residential Air Sampling Program conducted at homes in the affected area on Bridge, Thompson, Pratt, Salmon, and Brill Streets
Aug.-Dec. 1994	Installation of additional monitoring wells and groundwater sampling
October 1994	Rohm and Haas reports to the neighbors the results of the Residential Air Sampling Program and Groundwater Study Basement Ventilation Program and Economic Protection Plan (EPP) communicated to the neighbors
Fall 1994	Rohm and Haas constructs Groundwater Management System
November 1994	Installation of 40 basement ventilation systems begins
February 1995	Groundwater Management System becomes operational
September 1995	Groundwater samples collected in neighborhood
October 1995	Pilot tests for soil vapor extraction (SVE) conducted in neighborhood
February 1996	Meeting with neighbors on 1995 cleanup progress
March 1996	Groundwater samples collected in the neighborhood
June 1996	Progress letter mailed to neighbors in affected area
August 1996	Groundwater samples collected in the neighborhood
September 1996	Rohm and Haas installs and operates an SVE system at an on-Site location

**CHRONOLOGY OF GROUNDWATER STUDY AND CLEANUP  
BRIDGE STREET AREA  
ROHM AND HAAS CHEMICALS LLC PHILADELPHIA PLANT  
(CONT'D)**

November 1996	Progress of cleanup programs communicated to neighbors at Community Groundwater Open House
March 1997	Groundwater samples collected in the neighborhood
May 1997	CAC agrees to help facilitate neighborhood groundwater concerns
July 1997	Eight wells added to SVE system at on-Site locations
August 1997	Progress of cleanup programs reported to the neighbors
September 1997	Groundwater samples collected in the neighborhood
September 1997	Neighborhood work group formed to resolve groundwater issues
December 1997	Progress of cleanup programs reported to the neighbors
January 1998	Groundwater samples collected in the neighborhood
May 1998	Progress of cleanup programs reported to the neighbors
June 1998	Weston report provided to the neighborhood
August 1998	Groundwater recovery trench becomes operational
October 1998	Groundwater samples collected in the neighborhood
December 1998	New EPP Plan offered to eligible homeowners
March 1999	Groundwater samples collected in neighborhood
April 1999	Progress of cleanup reported to neighbors
August 1999	Progress of cleanup reported to neighbors
Sept/Oct 1999	Groundwater samples collected in the neighborhood
January 2000	Progress of cleanup reported to neighbors
March 2000	Groundwater samples collected in neighborhood
June 2000	Progress of cleanup reported to neighbors
August 2000	Groundwater samples collected in neighborhood
November 2000	Progress of cleanup reported to neighbors
March 2001	Groundwater samples collected in neighborhood On-Site and off-Site soils investigation conducted
July 2001	Progress of cleanup reported to neighbors

**CHRONOLOGY OF GROUNDWATER STUDY AND CLEANUP  
BRIDGE STREET AREA  
ROHM AND HAAS CHEMICALS LLC PHILADELPHIA PLANT  
(CONT'D)**

July 2001	Rohm and Haas discusses results of additional studies with the community work group
August 2001	Groundwater samples collected in neighborhood
December 2001	Progress of cleanup reported to neighbors
March 2002	Groundwater samples collected in neighborhood
April 2002	On-Site soils investigation conducted for Surfactant Study
July 2002	Progress of cleanup reported to neighbors
Aug.-Sept. 2002	Groundwater samples collected in neighborhood
November 2002	Progress of cleanup reported to neighbors
March 2003	Groundwater samples collected in neighborhood
May 2003	Progress of cleanup reported to neighbors
August 2003	Groundwater samples collected in neighborhood
December 2003	Completion of Surfactant Study and presentation of results to neighbors Progress of cleanup reported to neighbors
March 2004	Groundwater samples collected in neighborhood Following groundwater sampling, seven recovery wells shut off as part of evaluation and implementation of modifications to the groundwater management system.
July 2004	Progress of cleanup reported to neighbors SVE system shut down.
September 2004	Groundwater samples collected in neighborhood
December 2004	Progress of cleanup reported to neighbors
March 2005	Groundwater samples collected in neighborhood
June 2005	Groundwater recovery trench shut down for improvements and maintenance
July 2005	Progress of cleanup reported to neighbors
August 2005	Groundwater samples collected in neighborhood
October 2005	Improvements to groundwater recovery trench completed and trench reactivated

**CHRONOLOGY OF GROUNDWATER STUDY AND CLEANUP  
BRIDGE STREET AREA  
ROHM AND HAAS CHEMICALS LLC PHILADELPHIA PLANT  
(CONT'D)**

November 2005	Data required to evaluate groundwater flow direction collected in neighborhood.
February 2006	Progress of cleanup reported to neighbors
March 2006	Groundwater samples collected in neighborhood Groundwater recovery trench shut down for maintenance
June 2006	Progress of cleanup reported to neighbors
August 2006	Groundwater samples collected in neighborhood
November 2006	Groundwater recovery trench reactivated following maintenance Data required to evaluate groundwater flow direction collected in neighborhood
March 2007	Progress of cleanup reported to neighbors Groundwater samples collected in neighborhood
August 2007	Groundwater samples collected in neighborhood
October 2007	Progress of cleanup reported to neighbors (March 2007 event)
January 2008	Progress of cleanup reported to neighbors (August 2007 event)
March 2008	Groundwater samples collected in neighborhood
September 2008	Progress of cleanup reported to neighbors (March 2008 event)
Aug.-Sept. 2008	Groundwater samples collected in neighborhood
February 2009	Progress of cleanup reported to neighbors (August 2008 event)
February 2009	Rohm and Haas revises sampling program from semi-annual (twice yearly) to annual (once yearly). Spring (March) events discontinued.
August 2009	Groundwater samples collected in neighborhood
December 2009	Progress of cleanup reported to neighbors (August 2009 event)
Aug.-Sept. 2010	Groundwater samples collected in neighborhood
February 2011	Progress of cleanup reported to neighbors (August-September 2010 event)
June 2011	Groundwater samples collected in neighborhood
December 2011	Progress of cleanup reported to neighbors (June 2011 event)
Aug.-Sept. 2012	Groundwater samples collected in neighborhood
October 2012	Wells TW-32S(R), TW-34S, and TW-43S were plugged and abandoned



**CHRONOLOGY OF GROUNDWATER STUDY AND CLEANUP  
BRIDGE STREET AREA  
ROHM AND HAAS CHEMICALS LLC PHILADELPHIA PLANT  
(CONT'D)**

December 2012	Well maintenance activities conducted to gain access to wells in Bridge St. following street paving Wells OFF-1, OFF-7, OFF-8, and OFF-9 were plugged and abandoned Additional groundwater samples collected in neighborhood
January 2013	Progress of cleanup reported to neighbors (August-September December 2012 event)
June 2013	Groundwater samples collected in neighborhood
October 2013	Progress of cleanup reported to neighbors (June 2013 event)
June – July 2015	Groundwater samples collected in neighborhood
November 2015	Progress of cleanup reported to neighbors (June/July 2015 event)
September 2016	Groundwater samples collected in neighborhood
November 2016	Wells IW-101, IW-102, IW-103, IW-105, IW-106, IW-107, MRW-108, and MRW-109 were plugged and abandoned
December 2016	Progress of cleanup reported to neighbors (September 2016 event)
July 2017	Groundwater samples collected in neighborhood
December 2017	Progress of cleanup reported to neighbors (July 2017 event)
October 2018	Groundwater samples collected in neighborhood
January 2019	Progress of cleanup reported to neighbors (October 2018 event)
March 2019	Pennsylvania Department of Environmental Protection and Environmental Protection Agency approve plan to shut down recovery trench
June 2019	Well LA-5 was repaired and sampled; IW-104 recovery pump shut down
September 2019	Groundwater samples collected in neighborhood
January 2020	Progress of cleanup reported to neighbors (September 2019 event)
May 2020	IW-104 recovery pump restarted
September 2020	Groundwater samples collected in neighborhood
January 2021	Progress of cleanup reported to neighbors (September 2020 event)
May 2021	IW-104 recovery trench pump shut down
Sept. – Oct. 2021	Groundwater samples collected in neighborhood
January 2022	Progress of cleanup reported to neighbors (September 2021 event)

**CHRONOLOGY OF GROUNDWATER STUDY AND CLEANUP  
BRIDGE STREET AREA  
ROHM AND HAAS CHEMICALS LLC PHILADELPHIA PLANT  
(CONT'D)**

June 2022	Wells MW-7, MW-9, MW-10, TW-33S, TW-35S(R) and TW-37S were plugged and abandoned.
September 2022	Groundwater samples collected in neighborhood
April 2023	Final Progress of cleanup reported to neighbors (September 2022 event), results satisfy the requirements of the agreement with the community for total VOCs in offsite groundwater samples to be below 1 ppm. Rohm and Haas will continue to monitor the off-site groundwater quality and report these results in accordance with the Pennsylvania Department of Environmental Protection Act 2 requirements.

# **Appendix B**



**TABLE 1**  
**ANALYTICAL RESULTS FOR ON-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
(see page 19 for notes)

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See page 19 for more.

PESTICIDES	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987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(not used in this paper)

TOTAL RESEARCH TRAILS		1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100		

see page 19 for notes

[illegible]

(see page 19 for notes)

Page 6 of 19

**TABLE 1**  
**ANALYTICAL RESULTS FOR ON-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
(see page 19 for notes)

PARAMETER	UNIT	MW-7 (Abandoned)												MW-9 (Abandoned)																		
		Aug-89	Aug-89	Aug-18	Jan-81	Aug-12	Jan-12	Jan-15	Sep-16	Jul-87	Oct-88	Sep-19	Sep-20	Sep-21	Mar-07	Aug-07	Mar-08	Aug-08	Aug-08	Sep-10	Jan-11	Aug-12	Jan-13	Jan-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21		
VOLATILES																																
1,1,1-Trichloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,1-Dichloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2-Dichlorobenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2-Dichloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2-trans-Dichloroethylenes	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,3-Dichlorobenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,4-Dichlorobenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,4-Dioxane	ppm	NA	NA	NA	NA	NA	---	---	---	---	NA	NA	0.0058	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	---	0.0046	0.0044	0.0020	NA	NA	0.0016	---	
2-Hexanone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Acetone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Benzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bromofuran	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Carbon Disulfide	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chlorobenzene	ppm	NA	NA	NA	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chlorobromomethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chloroform	ppm	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011		
Chloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	ppm	NA	NA	NA	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobromomethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	ppm	NA	NA	NA	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl ethyl ketone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tertiary butyl ether	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	NA	NA	NA	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-iso-butyl ketone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Xylenes	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL VOLATILES																																
2-Octanone	ppm	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	
2-Octanone	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL OCTANOLATONES																																
2-Octanone	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ACID EXTRACTABLES																																
2,4,6-Trichlorophenol	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL ACID EXTRACTABLES																																
2-Octanone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

(see page 10 for notes)

[illegible]



see page 19 for notes

TOTAL BASES/EVENTS		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	
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TABLE 1  
ANALYTICAL RESULTS FOR ON SITE WELLS  
GROUNDWATER MANAGEMENT SYSTEM  
(see page 19 for notes)

PARAMETER	UNIT	TW-25																TW-265																
		Mar-98	Aug-98	Aug-99	Sep-10	Jan-11	Sep-12	Jan-13	Jul-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	Sep-22	Mar-98	Aug-98	Aug-99	Sep-10	Jan-11	Aug-11	Jan-12	Jul-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	Sep-22			
BASE/NEUTRALS																																		
3-Methyl naphthalene	ppm	NA	0.001 J	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA	NA	NA	0.013	0.016	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Acenaphthene	ppm	NA	0.001 J	---	---	---	NA	NA	NA	NA	0.001 J	NA	NA	0.001 J	NA	NA	NA	0.001 J	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Acenaphthylene	ppm	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Andracene	ppm	NA	0.001 J	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Benz(a)anthracene	ppm	NA	---	0.00016	0.00048	0.0007	---	NA	NA	NA	---	0.00096	NA	0.00016	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Benzo(a)pyrene	ppm	NA	---	0.00001	---	---	---	NA	NA	NA	---	NA	NA	0.00001 J	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Benzo(b)fluoranthene	ppm	NA	---	---	---	---	---	NA	NA	NA	---	0.00012 J	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Benzo(g,h,i)perylene	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	0.00016 J	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Benzo(k)fluoranthene	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Bis(2-Chlorophenyl)methane	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Bis(2-Chlorophenyl) ether	ppm	NA	---	---	---	0.0014	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Bis(2-Ethylhexyl)phthalate	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Bis(2-ethylhexyl)phthalate	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Carbazole	ppm	NA	0.001 J	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Chrysene	ppm	NA	---	---	---	---	---	NA	NA	NA	---	0.00003	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Dibenz(a,h)anthracene	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Dibenzofuran	ppm	NA	0.001 J	---	---	---	---	NA	NA	NA	---	0.00001 J	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Dibenzophthalate	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Dimethyl phthalate	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Dimethyl phthalate	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Di-n-butylphthalate	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Di-n-octylphthalate	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Fluoranthene	ppm	NA	0.001 J	---	---	0.001 J	---	NA	NA	NA	---	0.001 J	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Fluorene	ppm	NA	0.001 J	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Hexachlorobenzene	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Indeno(1,2,3-cd)pyrene	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Isophenanthrene	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Naphthalene	ppm	NA	0.001 J	0.001 J	0.001 J	---	---	NA	---	0.001 J	0.00001 J	---	---	NA	---	NA	NA	0.001 J	0.001 J	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Norbornene	ppm	NA	---	---	---	---	---	NA	NA	NA	---	---	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Phenanthrene	ppm	NA	0.001 J	---	---	---	---	NA	NA	NA	---	0.00001 J	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
Pyrene	ppm	NA	0.001 J	---	---	---	---	NA	NA	NA	---	0.00001 J	NA	---	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
1,4-Dioxane	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	---	---	NA	NA	NA	NA	NA	---	---	---	---	---	---	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA
TOTAL BASE/NEUTRALS																																		
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(see page 19 for notes)

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**TABLE I**  
**ANALYTICAL RESULTS FOR ON-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**

(see page 19 for notes)

PARAMETER	UNIT	TW-232R1 (Abandoned)										TW-235 (Abandoned)										TW-245 (Abandoned)				
		Mar-00	Aug-00	Aug-01	Aug-10	Jan-11	Mar-00	Aug-00	Aug-01	Aug-10	Jan-11	Aug-12	Jan-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	Mar-00	Aug-01	Aug-07	Aug-10	Jan-11		
VOLATILES																										
1,1,1 Trichloroethane	ppm																									
1,1,2,2-Tetrachloroethane	ppm																									
1,1-Dichloroethane	ppm																									
1,2,4-Trichlorobenzene	ppm	NA					NA														NA					
1,2,4-Dichlorobenzene	ppm	NA					NA														NA					
1,3-Dichlorobenzene	ppm																									
1,2-dimethyl-2-chloroethylbenzene	ppm															NA					NA					
1,3-Dichlorobenzene	ppm	NA					NA														NA					
1,4-Dichlorobenzene	ppm	NA					NA														NA					
1,4-Dioxane	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					NA	NA			NA	NA	NA	NA	NA		
2-Hexanone	ppm																									
Aceitone	ppm																									
Benzene	ppm																									
Bromoform	ppm																									
Carbon Disulfide	ppm																									
Chlorobenzene	ppm																									
Chlorobromomethane	ppm						NA	NA		NA										NA	NA	NA	NA	NA		
Chloroethane	ppm																									
Chloroform	ppm	0.04	0.010	0.016	0.02	0.027	0.03	0.03	0.033	0.036	0.04	0.045	0.06	0.035	0.036	0.043	0.039	0.026	0.036	0.035	0.005	0.016	0.01	0.006		
Chloromethane	ppm																									
Cyclohexane	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA															
1,1-Dichloroethomethane	ppm	0.001		NA		0.002		0.002				NA									NA	NA	NA	NA	NA	
Ethylbenzene	ppm						0.009	0.02	0.003	0.001	0.007	NA									NA	NA	NA	NA	NA	
Isopropylbenzene	ppm		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									NA	NA	NA	NA	NA	
Methyl ethyl ketone	ppm																									
Methyl isobutyl ether	ppm																									
Methyl cyclohexane	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					NA					NA	NA	NA	NA	NA	
Methyl ethyl ketone	ppm																									
Styrene	ppm																									
1,1-Dichloroethane	ppm																									
1,2-Dichloroethane	ppm																									
Total Xylenes	ppm						0.021	0.047	0.017	0.003	NA	NA									NA	0.007	NA	NA	NA	
Trichloroethylene	ppm																									
Vinyl chloride	ppm																									
TOTAL VOLATILES																										
	ppm	0.017	0.010	0.016	0.02	0.027	0.03	0.033	0.036	0.04	0.045	0.06	0.04	0.035	0.036	0.043	0.039	0.026	0.036	0.035	0.005	0.016	0.01	0.006		
2-Octanone	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2-Octanone	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
TOTAL OCTANOLACTANONE																										
	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
ACID EXTRACTABLES																										
2,4,6-Trichlorophenol	ppm	NA					NA					NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		
2,6-Dichlorophenol	ppm	NA					NA					NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		
2-Nitrophenol	ppm	NA					NA					NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		
4-Nitrophenol	ppm	NA					NA					NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		
Phenol	ppm	NA					NA					NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		
TOTAL ACID EXTRACTABLES																										
	ppm	NA					NA					NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		

**TABLE 1**  
**ANALYTICAL RESULTS FOR ON-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
(see page 19 for notes)

PARAMETER	UNIT	FW-335(R) (Abundance)										FW-345 (Abundance)										FW-345 (Abundance)									
		Mar-08	Aug-08	Aug-09	Aug-10	Jan-11	Mar-08	Aug-08	Aug-09	Aug-10	Jan-11	Aug-12	Jan-13	Jan-15	Sep-16	Jan-17	Oct-18	Sep-19	Sep-20	Sep-21	Mar-22	Aug-22	Aug-23	Aug-24	Jan-25						
BASE/NEUTRALS																															
2-Methylnaphthalene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Acenaphthylene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Acenaphthylene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Acenaphthylene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(a)anthracene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(a)pyrene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(b)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(k)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(l)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(g)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(i)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(j)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(m)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(n)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(o)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(p)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(q)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(r)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(s)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(t)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Benzo(u)fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	—	—	—	—	—					
Fluoranthene	ppm	NA	—	—	—	—																									

1 see page 19 for notes

[illegible]

### ANALYTICAL RESULTS FOR ON-SITE WELLS GROUNDWATER MANAGEMENT SYSTEM

PARAMETER	UNIT	FW-35SR (Abandoned)														FW-37S (Abandoned)													
		Mar-08	Aug-08	Aug-09	Sep-10	Jan-11	May-12	Jul-12	Sep-15	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	Mar-08	Aug-08	Aug-09	Sep-10	Jan-11	Sep-11	Jan-13	Jul-15	Sep-15	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	
BASES/NEUTRALS																													
2-Methylisopropylamine	ppm	NA	NA	NDGL 1	---	NDGL 1	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	0.012	0.015	NA	NA	NA	NA	---	NA	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	NDGL 1	NA	NA	NA	NA	0.0011	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
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Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
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Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	NA
Acetophenone	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	---	NA	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	---	NA	



**TABLE I  
ANALYTICAL RESULTS FOR ON-SITE WELLS  
GROUNDWATER MANAGEMENT SYSTEM**

**NOTES:**

A complete set of historical groundwater data (beginning in 1995) can be provided upon request.

As of August 2004, Interceptor wells IW-101, IW-102, IW-103, IW-105, and IW-106 are no longer in service. The following adjacent monitoring wells are sampled as replacements: MW-4, TW-30S, MW-5, MW-6, and TW-26S, respectively.

In September 2019 TW-15 was not sampled due to access issues.

In September 2022 OFF-12 was not sampled due to access issues.

The following onsite locations shown on Figure 7 are not sampled as part of the Groundwater Management System Monitoring: IW-101, IW-102, IW-103, IW-104, IW-106, MW-8, MRW-108, MRW-109, P-2, P-5, P-6, P-8, P-22, P-23, P-26, P-27, P-28, PT-01, TW-75(R), TW-22S, TW-36S, and TW-38S.

This table only lists parameters that were detected at least once in the wells sampled.

W-107 was plugged and abandoned in November 2016.

Wells MW-7, NJW-9, MW-10, TW-33S, TW-35S(R), and TW-37S were abandoned in 2022.

Wells TW-32S(R), TW-34S, TW-43S were plugged and abandoned in 2012.

\*B\* Not detected above the level reported in lab or cleanup blanks.

This value was not included in the total concentration.

\*BMDL\* Analyte present, but detected below the method detection limit.

\*D\* Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

\*F1\* MS and/or MSD recovery exceeds control limits.

\*P\* Analyte present - reported value may be biased low or high.

\*P\* - Due to equipment interference, value reported is lowest measured concentration.

NA Not analyzed.

ppm = mg/L, ppb = µg/L.

\*-/-\* Parameter was not detected (data validation qualifiers may not be listed).



**TABLE 2**  
**ANALYTICAL RESULTS FOR OFF-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
(see page 15 for Notes)

PARAMETER	UNIT	LA-1														LA-2															
		Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Sep-12	Jan-13	Jan-13	Sep-16	Jan-17	Oct-18	Sep-19	Sep-20	Sep-21	Sep-22	Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Sep-12	Jan-13	Sep-16	Jan-17	Oct-18	Sep-19	Sep-20	Oct-21	Sep-22	
VOLATILES																															
1,1 Trichloroethane	ppm																														
1,1,2,2 Tetrachloroethane	ppm																														
1,1 Dichloroethane	ppm																														
1,2,4 Trichlorobenzene	ppm	NA															NA	BMDEL	BMDEL	BMDEL	BMDEL	BMDEL							0.0037	0.0030	
1,2-cis-Dichloroethane	ppm																														
1,2-Dibromo-3-chloropropane	ppm																														
1,2-Dichlorobenzene	ppm	NA															NA	BMDEL				BMDEL	BMDEL						0.0063	0.0030	
1,2,3-trichlorobenzene	ppm																														
1,4-Dioxane	ppm																														
2,4-dioxane	ppm																														
Acetone	ppm																														
Benzene	ppm																														
Bromobenzene	ppm																														
Carbon Disulfide	ppm																														
Chlorobenzene	ppm																														
Chloroethane	ppm																														
Chloroform	ppm	BMDEL																													
Chloromethane	ppm																														
Cyclohexane	ppm	NA	NA	NA	NA	NA											NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ppm																														
Dichlorodibromomethane	ppm																														
Ethylbenzene	ppm																														
Isopropylbenzene	ppm	NA	NA	NA	NA	NA											NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	ppm																														
Methyl isobutyl ether	ppm																														
Methyl isobutyl ether	ppm	NA	NA	NA	NA	NA											NA	BMDEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ether	ppm																														
Methyl isobutyl ether	ppm																														
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Methyl isobutyl ether	ppm																														



(see page 15 for notes)

[illegible]

**TABLE 2**  
**ANALYTICAL RESULTS FOR OFF-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**

(see page 15 for notes)

PARAMETER	UNIT	LA-3																LA-4															
		Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Sep-12	Jan-13	Jul-13	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	Sep-22	Mar-23	Sep-23	Aug-24	Aug-25	Jun-26	Sep-27	Jan-28	Jun-29	Sep-30	Jul-31	Oct-31	Sep-32	Sep-33				
BASE/NEUTRALS																																	
2-Methylnaphthalene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	0.51	BMDL 1	1.1	5	—	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2-Nitroaniline	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
4-Chloroaniline	ppm	NA	—	—	NA	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Acenaphthene	ppm	NA	BMDL 1	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	BMDL 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Acenaphthylene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Anthracene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Benzo(a)Anthracene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Benzo(a)Pyrene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Benzo(b)Fluoranthene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Benzo(g,h,i)Perylene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Hex(2)-Chlorocyclopentadiene	ppm	NA	—	—	—	—	NA	NA	NA	NS	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Hex(2)-Chlorocyclopropyl heptachlor	ppm	NA	—	—	—	—	NA	NA	NA	NS	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Hex(2)-Ethylbenzophthalate	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Butyl benzyl phthalate	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Carbazole	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Chrysene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Dibenzofuran	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Diethyl phthalate	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Dimethyl phthalate	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Di-n-butylphthalate	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Di-n-octylphthalate	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Fluoranthene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Fluorene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Indeno(1,2,3-cd)Pyrene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Isophthalic acid	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Naphthalene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Nitrobenzene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Phenanthrene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Pyrene	ppm	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
4,4'-Dioxane	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
TOTAL BASE/NEUTRALS		ppm	NA	0.0001	—	—	—	—	—	0.0001	NS	0.0001	0.012	0.0001	0.0001	—	—	NA	0.12	0.001	0.001	—	—	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001		
PESTICIDES																																	
4,4'-DDT	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
4,4'-DDE	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
4,4'-DDD	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Ben-EHC	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Dieldrin	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Endosulfan I	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Endosulfan sulfate	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Endrin aldehyde	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Endrin ketone	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Gamma-BHC	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Heptachlor	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Heptachlor epoxide	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
3,3'-Dibenzodioxin	ppb	NA	—	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
TOTAL DDT		ppb	NA	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
TOTAL PESTICIDES		ppb	NA	—	—	—	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

(see page 15 for notes)

PARAMETER	UNIT	LA-5																OFF 2															
		Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Sep-12	Jun-13	Jul-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-18	Sep-21	Sep-22	Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Dec-12	Jun-13	Jan-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Oct-21	Sep-22		
VOLATILES																																	
1,1,1 Trichloroethane	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1-Chlorobenzene	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ppm	NL	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2-dic-Dichloromethyl benz	ppm	---	---	BMDL J	BMDL J	BMDL J	BMDL J	BMDL J	BMDL J	BMDL J	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2-Dichloroethane	ppm	NL	---	---	---	---	---	---	---	---	NL	NL	0.0004 J	0.0004 J	---	0.0007 J	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
1,2-trans-Dichloromethyl benz	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,4-Dioxane	ppm	---	---	---	---	---	---	---	---	---	NL	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
2-Hexanone	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Acetone	ppm	---	---	---	---	---	---	---	---	---	NL	NL	0.00 J	0.00 J	---	0.0000 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bromobenzene	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bromofluorobenzene	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Carbon Disulfide	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chlorobenzene	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chloroethane	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chloroform	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chloromethane	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyclohexane	ppm	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
Dibromochloromethane	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Dichlorodimethylsiloxane	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Ethylbenzene	ppm	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	NL	NL	0.00 J	0.00 J	0.0004 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J			
Isopropylbenzene	ppm	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	0.00 J	0.00 J	0.00 J	0.00 J	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
Methyl ethyl ketone	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Methyl tertiary butyl ether	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Methyl cyclohexane	ppm	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
Methyl isobutyl ketone	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Methyl isobutyl ketone	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Styrene	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Tetrachloroethene	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Toluene	ppm	BMDL J	---	0.00 J	0.00 J	0.00 J	BMDL J	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Total Xylenes	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Trichloroethyl benz	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vinyl chloride	ppm	---	---	---	---	---	---	---	---	---	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TOTAL VOLATILES																																	
1-Octanol	ppm	BMDL J	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
2-Octanol	ppm	BMDL J	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TOTAL OCTANOL/OCTANONE																																	
1-Octanol	ppm	0.00 J	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
2-Octanol	ppm	---	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
ACID EXTRACTABLES																																	
2,4-Dinitrophenol	ppm	NL	---	---	---	---	BMDL J	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
2-Methylphenol	ppm	NL	---	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
4-Methylphenol	ppm	NL	---	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
Pentachlorophenol	ppm	NL	---	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
Phenol	ppm	NL	---	---	---	---	---	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
TOTAL ACID EXTRACTABLES																																	
2,4-Dinitrophenol	ppm	NL	---	---	---	---	0.0000 J	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		

each page 15 for notes

PARAMETER	UNIT	LA-5																OFF-3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		Mar-08	Apr-08	Aug-09	Aug-10	Jan-11	Sep-12	Jan-13	Jul-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	Sep-22	Mar-23	Sep-23	Aug-24	Aug-25	Jan-26	Dec-27	Jan-28	Jan-29	Sep-30	Jul-31	Oct-31	Sep-31	Oct-31	Sep-31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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2-Methyl isophthalate	ppm	NA	0.012	BMXL	0.009	---	0.022	NA	NA	NA	NA	NA	0.022	NA	NA	NA	0.006	---	---	---	NA	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA	NA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
2-Nitroaniline	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA	NA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
4-Chloronitrobenzene	ppm	NA	---	---	NA	---	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	NA	NA	---	NA	NA	---	NA	NA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Acenaphthene	ppm	NA	BMXL	---	---	---	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	0.0011	NA	NA	---	NA	NA	---	NA	NA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Acetophenone	ppm	NA	NA	NA	NA	NA	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	0.0016	NA	NA	---	NA	NA	---	NA	NA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Anthracene	ppm	NA	---	---	---	---	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	0.00078	NA	NA	---	NA	NA	---	NA	NA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Benzofuran	ppm	NA	---	---	BMXL	---	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	---	---	---	NA	NA	NA	NA	---	---	---	---	0.00039	NA	NA	---	NA	NA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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**TABLE 2**  
**ANALYTICAL RESULTS FOR OFF-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
(see page 15 for notes)

	UNIT	OFF-3															OFF-4															
		Mar-09	Aug-09	Aug-09	Sep-10	Jan-11	Aug-12	Jan-13	Jan-15	Sep-16	Jul-17	Dec-18	Sep-19	Sep-20	Dec-21	Sep-22	Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Sep-12	Jan-13	Jan-15	Sep-16	Jul-17	Oct-18	Nov-19	Sep-20	Sep-21	Sep-22	
VOLATILES																																
1,1,1-Trichloroethane	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ppm	NA	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Dichloroethyl benzene	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ppm	NA	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-trimethylchloroethyl benzene	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromobenzene	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon Disulfide	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	ppm	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ppm	1.6	1.7	1.1	0.013	0.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	ppm	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl ethyl ketone	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tertiary butyl ether	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl chloroform	ppm	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl isobutyl ketone	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ppm	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Nylons	ppm	2.4	7.1	3.3	0.02	0.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL VOLATILES																																
2-Octanol	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Octanone	ppm	---	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL OCTANOL/OCTANONE																																
ACID EXTRACTABLES																																
2,4-Dimethylphenol	ppm	NA	NS	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	ppm	NA	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	ppm	NA	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthroline	ppm	NA	---	---	---	---	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	ppm	NA	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL ACID EXTRACTABLES																																
ppm	NA	0.0047	---	---	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1409 Page 15 for notes

[illegible][illegible]

**TABLE 2**  
**ANALYTICAL RESULTS FOR OFF-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
(see page 15 for notes)

PARAMETER	UNIT	OFF-8 (Abandoned)										OFF-15									
		Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Sep-12	Jan-13	Jul-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	Sep-22
<b>VOLATILES</b>																					
1,1,1-Trichloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ppm	NA	---	---	---	---	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-cis-Dichloroethylene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ppm	NA	---	---	---	---	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-trans-Dichloroethylene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---
1,4-Dioxane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	---	---	---	---
2-Methoxyethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon Disulfide	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ppm	0.0007	0.0016	0.0025	0.012	0.014	0.0012	0.0013	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
Chloromethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	ppm	NA	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobromomethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tertiary butyl ether	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl cyclohexane	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	---	---	---	---	---	---	---	---	---	---
Methyl isobutyl ketone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Xylenes	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>TOTAL VOLATILES</b>	ppm	0.0007	0.0016	0.0025	0.012	0.014	0.0012	0.0013	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	---	0.0012	0.0012	---	0.0012
2-Octanol	ppm	NA	NA	---	NA	---	NA	NA	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Octanone	ppm	NA	NA	---	NA	---	NA	NA	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>TOTAL OCTANOL/OCTANONE</b>	ppm	NA	NA	---	NA	---	NA	NA	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>ACID EXTRACTABLES</b>																					
2,4-Dimethylphenol	ppm	NA	---	---	---	---	NA	---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ppm	NA	---	---	---	---	NA	---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ppm	NA	---	---	---	---	NA	---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ppm	NA	---	---	---	---	NA	---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ppm	NA	---	---	---	---	NA	---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>TOTAL ACID EXTRACTABLES</b>	ppm	NA	---	---	---	---	NA	---	---	---	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 2**  
**ANALYTICAL RESULTS FOR OFF-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
 (see page 15 for notes)

PARAMETER	UNIT	OFF-9 (Abandoned)					OFF-15															
		Mar-08	Sep-08	Aug-09	Jan-11	Jan-11	Mar-08	Sep-08	Aug-09	Apr-10	Dec-10	Sep-12	Jan-13	Jul-15	Sep-16	Jan-17	Apr-18	Sep-19	Sep-20	Sep-21	Sep-22	
BASE/NEUTRALS																						
2-Methyl naphthalene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Nitroaniline	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Chloroaniline	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Acenaphthene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Acenaphthylene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo[a]anthracene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo[a]fluoranthene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo[b]fluoranthene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo[k]fluoranthene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bis[2-Chlorophenyl] ether	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bis[2-Chlorophenyl] ether	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bis[2-Ethylhexyl] phthalate	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bis[2-Ethylhexyl] phthalate	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Carbazole	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chrysene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dibenzofuran	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Diallyl phthalate	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dimethyl phthalate	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Di-n-butyl phthalate	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Di-n-octyl phthalate	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Fluoranthene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Fluorene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Indeno[1,2,3-cd]pyrene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Isophthalic acid	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrobenzene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Phenanthrene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Pyrene	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,4-Dioxane	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL BASE/NEUTRALS	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PESTICIDES																						
4,4'-DDD	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4,4'-DDE	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4,4'-DDT	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Beta-BHC	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Endrin	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Endosulfan sulfate	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Endrin sulfate	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gamma-BHC	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Heptachlor	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Heptachlor epoxide	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methoxychlor	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL PESTICIDES	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL BASE/NEUTRALS	ppb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

**TABLE 2**  
**ANALYTICAL RESULTS FOR OFF-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
(see page 15 for notes)

PARAMETER	UNIT	OFF-16														OFF-17																
		Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Sep-12	Jan-13	Jul-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	Sep-22	Mar-08	Sep-08	Aug-09	Aug-10	Jan-11	Sep-12	Jan-13	Jan-15	Sep-16	Jul-17	Oct-18	Sep-19	Sep-20	Sep-21	Sep-22	
VOLATILES																																
1,1,1-Trichloroethane	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
1,1,2,2-Tetrachloroethane	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
1,1-Dichloroethane	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
1,2,4-Trichlorobenzene	ppm	NA						NS	NS	NS	NS	NS	NS	NS	NS	NS	NA													NS	NS	NS
1,2,4,5-Tetrachlorobenzene	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
1,2-Dichlorobenzene	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
1,2-Dichloro-3-chloropropene	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
1,2-Dichlorobenzene	ppm	NA						NS	NS	NS	NS	NS	NS	NS	NS	NS	NA													NS	NS	NS
1,2,4,5-Tetrachlorobenzene	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
1,4-Dioxane	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS												NA	NA	NS	NS	NS
3-Hexanone	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Acetone	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Benzene	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Bromoform	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Carbon Disulfide	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Chlorobenzene	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Chloroethane	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Chloroform	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS	BMXL J	BMXL J	0.0017	BMXL J	0.0022			0.006	0.007	0.0014	0.0016	0.0023	0.0015	NS	NS	NS
Chloromethane	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Cyclohexane	ppm	NA	NS	NA	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA									NS	NS	NS
Dibromochloromethane	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Dichlorobromomethane	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Ethylbenzene	ppm	BMXL J	0.0	0.024	0.07	BMXL J		NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Isopropylbenzene	ppm	NA	NS	NA	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA									NS	NS	NS
Methyl ethyl ketone	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Methyl tertiary butyl ether	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Methylcyclohexane	ppm	NA	NS	NA	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA									NS	NS	NS
Methylene chloride	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Methyl-iso-butyl ketone	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Styrene	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Tetrachloroethane	ppm	BMXL J		BMXL J		BMXL J		NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Toluene	ppm	BMXL J	0.009	BMXL J	0.0025	BMXL J		NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Total Xylenes	ppm	BMXL J	3	0.012	0.17	BMXL J		NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Trichloroethylene	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
Vinyl chloride	ppm							NS	NS	NS	NS	NS	NS	NS	NS	NS														NS	NS	NS
TOTAL VOLATILES																																
	ppm	0.0054.5	3.7	0.017	0.24	0.004.3	0.0004.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0042.2	0.0032.2	0.0037	0.0002.2	0.0021			0.006	0.0	0.003	0.006	0.002	0.0015	NS	NS	NS
2-Octanol																																
	ppm	NA	NA		NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
2-Octanone																																
	ppm	NA	NA		NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
TOTAL OCTANOL/OCTANONE																																
	ppm	NA	NA		NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
ACID EXTRACTABLES																																
2,4-Dimethylphenol	ppm	NA				NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA					NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
2-Methylphenol	ppm	NA						NA	NS	NS	NS	NS	NS	NS	NS	NS	NA					NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
4-Methylphenol	ppm	NA						NA	NS	NS	NS	NS	NS	NS	NS	NS	NA					NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Para-methylphenol	ppm	NA						NA	NS	NS	NS	NS	NS	NS	NS	NS	NA					NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Phenol	ppm	NA						NA	NS	NS	NS	NS	NS	NS	NS	NS	NA					NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
TOTAL ACID EXTRACTABLES																																
	ppm	NA						NA	NS	NS	NS	NS	NS	NS	NS	NS	NA					NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS

4000 pages 15 for more!

Page 12 of 19

**TABLE 1**  
**ANALYTICAL RESULTS FOR OFF-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
(see page 15 for notes)

PARAMETER	UNIT	OFF-18												OFF-19															
		Aug-07	Aug-10	Jan-11	Dec-12	Jan-13	Jun-15	Sep-16	Jan-17	Oct-18	Sep-19	Sep-20	Oct-21	Sep-22	Mar-08	Sep-08	Aug-09	Sep-08	Jan-11	Sep-12	Jan-13	Jun-15	Sep-16	Jan-17	Oct-18	Sep-19	Sep-20	Oct-21	Sep-22
VOLATILES																													
1,1,1-Trichloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-cis-Dichloroethene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-1-chloropropane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Trans-Dichloroethene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoforn	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon Disulfide	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobromomethane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl ethyl ketone	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tertiary butyl ether	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	ppm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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**TABLE 2**  
**ANALYTICAL RESULTS FOR OFF-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
(see page 15 for notes)

[illegible]



**TABLE 2**  
**ANALYTICAL RESULTS FOR OFF-SITE WELLS**  
**GROUNDWATER MANAGEMENT SYSTEM**  
*(see page 15 for notes)*

**NOTES:**

A complete set of historical groundwater data (beginning in 1995) can be provided upon request.

Monitoring well LA-2 was inaccessible (parked over) in July 2015.

Monitoring well LA-3 was inaccessible (parked over) in September 2016.

Monitoring well LA-5 was inaccessible in March 2005, July 2017 and October 2018.

Monitoring well OFF-16; access to this well was not granted by the homeowner in 2013, 2015, 2016, 2017, 2018, 2019, 2020 and 2021; no samples collected.

Monitoring well OFF-17 was inaccessible in 2020, 2021, and 2022.

Monitoring well OFF-18 was inaccessible (parked over) in August 2005; sample was collected on 11/07/2005.

Monitoring well OFF-3 was inaccessible/damaged in August and December 2012 and June 2013; no samples collected in 2012-2020.

The following offsite locations shown on Figure 1, are not sampled as part of the Groundwater Management System Monitoring: LA-6, LA-7, OFF-10, OFF-11, & OFF-16.

This table only lists parameters that were detected at least once in the wells sampled.

Wells OFF-1, OFF-7, OFF-8, and OFF-9 were plugged and abandoned in 2012.

ppm = mg/L, ppb = µg/L

"BMDL" - Analyte present, but detected below the method detection limit.

"E" - Result exceeded calibration range

"P" - Analyte present - reported value may be biased (on or high)

NA - Not analyzed

NS - Not sampled

"nd" - Parameter was not detected (data validation qualifiers may not be listed).

"\*\*" - Laboratory control sample or Laboratory control sample duplicate is outside acceptance limits.

